



Configuration:

LR-5200-150 Advanced Intelligent DSP RF Receiver (150 MHz)

Product Overview:

Listen Technologies' LR-5200-072 RF receiver offers assistive listening users an option for high-performance audio in a compact device that offers best-in-class pickup and reduced noise. The LR-5200-072 also provides houses of worship, theaters, lecture halls, and other venues with an affordable and easy-to-manage solution when adding or expanding their assistive listening options.

The built-in rechargeable battery technology makes the LR-5200-072 an economical and environmentally friendly choice, reducing the costs of operation and ownership while offering extended use. Each unit features a micro-USB connection which, in addition to being used for quick and convenient battery charging, also allows for fast and simple firmware updates, setup, and programming.

The integrated neck loop and lanyard with DSP loop driver makes the LR-5200-072 easy to wear and convenient for listeners with T-coil equipped hearing aids. Additionally, the OLED display built in to each receiver provides at-a-glance information including channel status, battery level, and more.

From classrooms to conferences, businesses to banquet halls, and more, the LR-5200-072 makes an outstanding choice for a comfortable, clear, and reliable personal listening receiver.

Highlights:

- High-performance, ultra-sensitive 150 MHz RF personal listening receiver offering the lowest noise in its class
- Most compact design of any device of its kind makes it easier to wear, dispense, store, and maintain
- Advanced rechargeable battery technology reduces costs and provides long-lasting charge for extended use
- Integrated neck loop and lanyard with DSP loop driver provides an ideal listening experience for users with T-coil-equipped hearing aids
- At-a-glance information including channel status, battery level, volume, and more from the OLED display
- Backed by Listen Technologies' limited lifetime warranty and hassle-free support

Includes:

One (1) LR-5200-150 Advanced Intelligent DSP RF Receiver (150 MHz)* *The LR-5200-150 comes with a quick start guide and a non-proprietary field replaceable Lithium-ion battery.

Product Specification: Advanced Intelligent DSP RF Receiver (150 MHz)	
Audio	
Frequency Response	50 Hz - 15 kHz (±3 dB)
System Distortion	< 2% total harmonic distortion (THD) at 80% deviation
Output/s	Two (2) 3.5 mm (0.14 in.) connectors, unbalanced, 0 dBu nominal output level, 16 mW maximum, impedance 32 ohm

Product Specification: Advanced Intelligent DSP RF Receiver (150 MHz)	
System Signal to Noise Ratio	SQ enabled 80 dB, SQ disabled 60 dB
Controls	
User Controls	Power, up/down volume, Listen button for end user channel selection
Programming	Via software and USB port
Set-up Controls	Press and hold up/down volume buttons for 5 seconds to enter channel adjust, use up/down to select channel
Indicators	
LEDs	Flashes when batteries are low or to indicate charging, solid when fully charged
Display	Channel designation, battery level, unit number, charging status
RF	
Frequency Range	150.850 - 152.350 MHz
Number of Channels	6 wide band, 26 narrow band
Sensitivity	.6uV typical, 1 uV maximum for 12 dB sinad
Squelch	Programmable in 20 steps, automatic on loss of RF signal
Antenna Type	Uses ear phone/neck loop lanyard and short ear phone cable or standard earphone cable
Power	
Power Supply	Micro USB connector, 5 V, 500 mA
Battery Type	Lithium Ion 3.7 Vdc, 1200 mAh
Battery Life	8 Hours of continuous use
Battery Charging Time	Fully charged in 2.5 Hours
Physical	
Color	Black
Unit Weight with Batteries	2.40 oz. (68 g)
Shipping Weight	3.20 oz. (91 g) with 1.0 lbs. (454 g) minimum
Dimensions (H x W x D)	3.75 x 2.0 x 0.64 in. (9.6 x 5.0 x 1.7 cm)
Unit Weight	1.60 oz. (45 g)
Dimensions with Belt Clip	3.75 x 2.0 x 0.80 in. (9.6 x 5.0 x 2.1 cm)
Environmental	
Temperature - Operation	14 to 104 °F (-10 to 40 °C)
Temperature - Storage	(-)4 to 122 °F (-20 to 50 °C)
Relative Humidity	0 to 95% relative humidity, non-condensing
Compliance	
Marks and Approvals	RCM, RoHS